

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-188765

(43)Date of publication of application : 22.07.1997

(51)Int.Cl. C08G 77/62

(21)Application number : 07-354069 (71)Applicant : TONEN CORP

(22)Date of filing : 29.12.1995 (72)Inventor : TASHIRO YUJI

(54) SILICON-CONTAINING COPOLYMER AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain the above polymer having a specific average molecular weight, comprising a specific structural unit, excellent in heat resistance, flexibility and mechanical characteristics, capable of readily producing and useful for heat-resistant coating, coating for heat-resistant electric wires, etc.

SOLUTION: This silicon-containing copolymer has 500-1000000 number- average molecular weight and contains at least structural units of formula I [R1 and R2 are each a (cyclo)alkyl, an alkenyl, an aryl, an aralkyl, an alkylamino or an alkylsilyl; (p) is a molar ratio], formula II [R3 is a divalent aromatic group; (q) is a molar ratio], formula III [R4 to R7 are each R1; R8 is R3; (r) is a molar ratio], formula IV [R9 is R; (s) is a molar ratio] and formula V [(t) is a molar ratio] and the structural units of formula I to formula V are random and (p), (q), (r), (s) and (t) satisfy relationships of the formula $(p+s)/(q+t)=0.01-99$ and the formula $(p+s)/(r)=0.01$ to 99.

LEGAL STATUS [Date of request for examination] 28.11.2002

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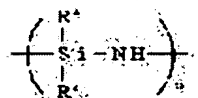
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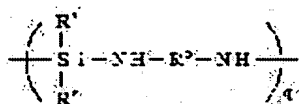
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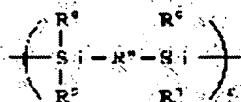
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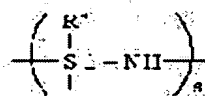
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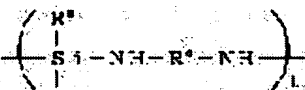
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III



IV



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